



**DEPARTMENT OF TOXIC SUBSTANCES CONTROL
NORTHERN CALIFORNIA OPERATIONS
OFFICE OF MILITARY FACILITIES**

**SEMI-ANNUAL REPORT
January - June 30, 2000**

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OFFICE OF MILITARY FACILITIES
Semi-Annual Report January - June 30, 2000

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Sites with no Activities during this Reporting Period:

Almaden Air Force Station
Baywood Park Training Area
Camp McQuaide
Camp Stoneman
Concord NWS Pacific Grove Naval Reserve Center
Eagle Field
Fort Barry
Fort McDowell
Fresno Air National Guard
Golden Gate National Recreational Area
Half Moon Bay Flight Strip
Hamilton Phase II
Hammond General Hospital
Hayward Army Airfield
Inyokern Airfield (Harvey Field)
Mt. Campbell Rifle Range
Mt. Owen Rifle Range
Naval Information Research Foundation (NIRF)
Nike Battery 91, Angel Island
Nike Battery 93, San Francisco
OAB Heroic War Dead USAR (b1086, 1060, 1064, 1070, 1101)
Point Sur Naval Facility
San Francisco NTTC
SF Nike 51
Skaggs Island NRS
Sunnyvale NIROP
Two Rock Ranch

Beale Air Force Base
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CALSTARS: 100018
SACRAMENTO

STATUS: OPEN

OFFICE:

Progress:

1. During this reporting period, the overall restoration program at the facilities is on schedule with the facility's 2 year work plan.
2. The construction of the Site 17 Source Zone Interim Remedial Action is ahead of schedule.

Challenges:

1. Unusual and complex geology west of the flightline, coupled with limited funding, has hampered the characterization of the off-base TCE contamination west of Site 1.
2. The owner of one of the three domestic wells affected by TCE contamination has refused the Air Force's offer for well-head treatment and has retained an attorney. The land owner continues to receive base-supplied bottled water.
3. The approved FY2000 budget contained minimal site characterization funding.
4. Several members of the local public blame Beale AFB for health problems, such as nerve damage and cancer.

Success Stories:

1. Ten SVE systems are on-line and operating.
2. The Expanded Site 13 Groundwater Treatment System is on-line extracting 300 gallons per minute and 24 pounds of contaminants, mainly TCE, per month.
3. Five bioventing systems are on-line and operating.
4. NFA decision documents were signed for six sites: Sites 2, 4, 9, 14, 20, and 25.
5. A PEA was approved for two former EOD ranges: AOCs 24 and 59.
6. A PEA was approved for six sites: Sites 34, 35, 36, 37, 38, and AOC 72.
7. For Site 13, a design was approved and an expansion to the groundwater extraction and treatment system implemented.
8. A RAP and design were approved for a removal action at the Site 17 Source Zone.
9. A RAW was approved for a removal action at SWMU 23.
10. Activated carbon well-head treatment systems were installed on two of three affected off-base domestic wells at Site 1.

Benicia Arsenal
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CALSTARS: 201114

STATUS: FUDS

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. Delays have occurred due to contract funding for the hazardous substances investigation.
3. Delays have occurred due to disagreement regarding United States Corps of Engineers (USACE) investigation and recommendations proposed in the Unexploded Ordnance (UXO) Engineering Evaluation/Cost Assessment (EE/CA).

Challenges:

1. Gaining the community's trust concerning the UXO issues and future development of the Arsenal.
2. The hit or miss of the yearly FUDS funding allocations to the USACE Sacramento District, is especially critical in multi year, high visibility projects.
3. Trying to reach agreement on further investigation and appropriate remedies for UXO remediation and risk management.

Success Story:

1. Community relations have been positive so far, due to a proactive community outreach by both the USACE and the State.

Camp Beale (Former)
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CALSTARS: 101188

STATUS: FUDS

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. Progress on the site is slightly behind schedule due to difficulty with site characterization and funding contracts.

Challenges:

1. The 65,000 acre site needs considerably more funding than is currently being allocated to adequately characterize and remediate this site.
2. The former Camp Beale is a FUDS, mainly associated with unexploded ordnance (UXO), and has been in private ownership, mostly residential, for over thirty years. There are also environmental and culturally sensitive areas.
3. Adequate characterization of the UXO contamination at the site is crucial in order to develop a sufficiently protective remedy and risk management strategy.
4. The community is concerned with the possibility of UXO on their property and the effect on property values.
5. There are ongoing difficulties in negotiating with private land owners "rights of entry."

Success Story:

1. The USACE Sacramento office has been working closely with the State in keeping the local community informed of the intent and progress of investigation.

Castle Air Force Base
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CALSTARS: 100029

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The current state of progress at Castle Air force Base is significantly behind the schedule agreed to in the DSMOA Cooperative Agreement, Appendix E.
2. The Air Force is in the process of updating the draft SCOU ROD 1.

Challenges:

1. Information from headquarters AFBCA indicate that several major projects are in jeopardy of not being funding fully.
2. The Agencies and the Air Force have not been able to agree on a treatment strategy for municipal well AM-6.
3. DTSC continues to be concerned with the downsizing of AFBCA staff and the eventual regionalization of staff.
4. The schedule in the FFA is out of date, and the agencies are engaged in vigorous debate regarding the methods to resolve this issue.
5. The Base Closure Team (BCT) is discussing a critical path schedule which will allow the Air Force to meet the Last Remediation in Place (LRIP) date set by AFBCA Headquarters.

Success Stories:

1. The "START" and "STOP" Procedures, which were agreed upon by all agencies in December 1999 has been applied to two sites DA-8 and Castle Vista-B Landfill.
2. The Phase 3 Groundwater system is running as designed.
3. The SVE Decision Study was completed.
4. The excavations at Landfills 4 and 5 as well as the Firing Range and eight other excavation sites have been completed and the cap has been put into place at Landfill 4.
5. Two Soil Vapor Extraction systems were have started-up at sites 51 and 54.

Centerville Beach Naval Station, Humboldt County
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CALSITES: 200584

STATUS: CLOSED

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. The closed Navy facility continues on a fast track remediation schedule to accommodate the Navy's desire to transfer the property to United States General Services Administration. There is no known future use for the property but a likely use could be reversion back to grazing land. All investigations of the sites have been completed. The state agencies involved are awaiting submittal of a draft remedial action plan (RAP) for the facility.

Challenge:

1. The challenge has been to keep progressing towards a final RAP so the property can be transferred.

Success Story:

1. Funding appears adequate to complete closure of the site.

China Lake Naval Air Weapons Station
Semi-Annual Report January - June 30, 2000

CALSTARS: 100038

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. The field work for the removal actions were completed at Sites 13, 31, 32, 47, and 50. In addition the RI/FS for Sites 12 and 22 was also finished.

Challenges:

1. Historically the project has not kept up with projections. The Appendix E schedule has always been very ambitious but the work actually completed does not match up with the projections.
2. The field work for several removal actions were completed during this reporting period as noted above, however, the reports documenting the actions have not been submitted. The Navy needs to become more timely in report submittal.
3. An agreement such as a Federal Facility Site Remediation Agreement (FFSRA) is needed at this site. Several contaminated areas have been moved from the Installation Restoration Program to the environmental project office at China Lake for reasons that have not been well understood or justifiable. An agreement is needed to insure compliance at these sites with State of California regulations.
4. It is clear the funding is inadequate to meet the agreed upon schedule.

Success Stories:

1. Several removal actions have been completed during this reporting period.
2. For the first time at China Lake, they are willing to implement institutional controls and will be completing there activities in the near future.

Crows Landing Naval Auxiliary Landing Field
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CALSTARS: 100245

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. This project is significantly behind the agreed upon schedule in the DSMOA Cooperative Agreement, Appendix E. Delays are due to review schedule extensions and additional site characterization requested by the Navy.

Challenges:

1. Work with the Parties to determine the provisions of the transfer of the base to Stanislaus County.
2. Work with the Navy to develop a deliverable and clean-up status schedule. The Navy has not been able to produce a comprehensive schedule to date.

Defense Depot San Joaquin Sharpe Site
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CALSTARS: 100131

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. The IRP for year 2 is behind schedule by ten months.
2. An internal Defense Logistics Agency audit has caused remedial activities to be placed on hold.
3. Post-ROD remedial activities are on suspension. Currently, the only activities which are being conducted are groundwater monitoring, groundwater treatment systems, and operation of SVE systems.

Challenges:

1. A groundwater model was prepared to address plume capture. The results of the model indicated that groundwater plume capture is not occurring and that full remediation may exceed 100 years to complete.
2. Issues regarding funding levels and schedule delays need to be resolved.

Success Story:

1. Close to agreement on groundwater model parameters.

Defense Depot San Joaquin Tracy Site
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CALSTARS: 100048

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. An internal Defense Logistics Agency (DLA) audit has caused remedial activities to be placed on hold.
2. The current schedule for conducting remedial activities is behind by 10 months.
3. Due to audit all work has been suspended except for groundwater monitoring and the groundwater treatment system.

Challenges:

1. The OU-1 groundwater treatment system is in place, however, the infiltration galleries used to dispose of the treated effluent are incapable of handling the necessary volume. DDJC, Tracy is proposing to model various aspects of OU-1 to determine groundwater plume capture, treated water disposal options (i.e., infiltration galleries and/or ponds) and the impacts of the disposal options on groundwater plume migration.
2. DDJC, Tracy has not provided information which clearly defines the institutional controls to be implemented at numerous sites.
3. A new site (DSERT 72) was discovered in the course of replacing a water line. High levels of pesticides have been detected in an area located adjacent to SWMUs 2 and 3. Due to lack of funding, the site will be addressed independent of SWMUs 2 and 3. Currently, the regulatory agencies and DLA are evaluating the most expedient way to address characterization and conduct remedial activities, if necessary.

Success Story:

1. An Explanation of Significant Differences is being prepared to address changes to the Basewide ROD.

Dublin ECS 30 (Parks Reserve Forces Training Area)
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CALSITES: 201104

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is slightly behind on the facility's 2 year work plan.

Challenges:

1. The facility has 18 identified sites, including a landfill which has not been characterized. Many of the sites will require additional characterization.
2. Lack of funding to conduct remedial activities.
3. The San Francisco Bay Regional Water Quality Control Board has expressed an interest to be involved in oversight activities at this facility.
4. Anticipate more community interest in the future due to development occurring adjacent to the facility.
5. Identifying the facility's historical boundaries and the disposition of property.

Success Stories:

1. DTSC participated in locating groundwater and soil gas bore holes for PARKS-5, Fire Training Area.
2. DTSC has reviewed and commented on a sampling plan for PARKS-7, the Arsenic Drum Disposal Area.
3. DTSC has reviewed and commented on the Draft and Final Field Sampling Plans for Sites PRFTA-1, PRFTA-2, and PARKS-5.
4. DTSC has reviewed and commented on the Draft Final SI for Sites PRFTA-1 and PRFTA-2.

East Fort Baker
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CALSTARS: 200713

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The restoration program is on schedule. The facility is scheduled to be transferred to the National Park Service (NPS), the future landowner, by December 2001.

Challenges:

1. The NPS has raised concerns over the need for further investigation in the fill areas. The Army rejected the NPS' request to perform their own sampling of the fill areas. The NPS will now perform the investigation on portions of the property that have already been transferred to them and will extrapolate the data. The Army rejected the NPS' request because they believed it would jeopardize the proposed transfer date of December 2001.
2. Horseshoe Bay will need to be characterized. The Army and the agencies are developing criteria for dredging Horseshoe Bay.
3. Lead based paint issues at the site will need to be addressed by the Army prior to transferring the property to the NPS.

Success Story:

1. DTSC approved the removal action EE/CA and has prepared the necessary CEQA documentation.

**Edwards Air Force Base
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CALSTARS: 100052

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. The restoration program for FY 99/00 is on schedule to meet the 2004 completion date for the Basewide ROD.
2. Investigative activities for CWM at OU-7, Site 426 are proceeding.
3. Substantial monitoring activities are continuing to be implemented.

Challenge:

1. Successful extraction of contaminants from groundwater in fractured bedrock in three of ten operable units may prove to be difficult. Treatability studies are underway to determine the feasibility of contaminant extraction.

Success Stories:

1. DTSC provided concurrence on the NFI determinations documented in the Informal Technical Information Report for OU-3, Sites 30, 412, 413, 414 and 415.
2. DTSC provided concurrence on the Treatability Study, Free-Product Recovery Test and Groundwater Injection and Infiltration Work Plans for OU-1, Sites 11 and 24.
3. DTSC provided concurrence on the Field Sampling and Closure/Post Closure Maintenance Plans for OU-4, Sites 13 and 172.
4. DTSC provided concurrence on the Long-Term Groundwater Monitoring and Sampling Plan for OU-5 and OU-10.
5. DTSC provided concurrence on the Soil Remediation Work Plan for OU-10, Site 279.
6. DTSC provided concurrence on the Geophysical Survey Work Plan for Chemical Warfare Material Sites 429, 433, 439, 440, 442, 443 and 444.

Fleet and Industrial Supply Center Alameda
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CALSTARS: 200235

STATUS: CLOSING

OFFICE: BERKELEY

Progress:

1. During this reporting period, the overall restoration program at FISCA is mostly on schedule as described in Appendix E.
2. The revised FFSRA was signed in May 2000.
3. The Navy initiated a preliminary assessment of basewide PAH contamination in fill outside IR sites and submitted preliminary data to the City of Alameda to aid in their financial decision-making.
4. The Navy submitted the draft Supplemental RI for PAH at IR02 in June 2000. Subsequent revision will include addition of the FS element, as agreed during FFSRA negotiations.
5. The Navy released the Proposed Plan and Draft RAP/ROD for Marsh Crust at FISC Annex and Alameda Point and for Groundwater at FISC Annex for public comment in June 2000.

Challenge:

1. The team is working hard to maintain the schedule contained in the FFSRA and to develop and finalize the Site Management Plan.

Success Story:

1. DTSC, the Navy and the City of Alameda have completed negotiations for the early transfer of the facility, including negotiation of a revised FFSRA, a pre-RAP covenant with the Navy, and a land-use covenant with the City. The final transfer received the Governor's approval in June 2000.

Fort Hunter Liggett
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CALSTARS: 200243

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. The overall restoration program at Fort Hunter Liggett is behind on the installation's 2-year work plan.
2. DTSC has reviewed and commented on the Draft RI/FS for Six Sites.

Challenges:

1. Development of the Scope of Work for the NFA PA/SI Report for Other Sites.
2. Coordination and review/approval of work plans.

Success Stories:

1. The NFA PA/SI Report is in the process of being prepared.
2. Landfill closure activities are continuing with the possibility of receiving additional funds to complete closure by January 2001.

Fort Hunter Liggett Cantonment
Semi-Annual Report January - June 30, 2000

CALSTARS: 200920

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall BRAC process for property at Fort Hunter Liggett (FHL) is on track with the installation's 2 year work plan.
2. DTSC has reviewed the Draft Environmental Condition of Property Report for the proposed transfer of several buildings to the U.S. Navy and had minor comments which were provided to FHL.

Challenge:

1. No significant challenges have been encountered.

Success Story:

1. FHL is moving forward with the property transfer to the Navy and making preparations for additional properties to be transferred.

Fort Ord Army Base
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CALSTARS: 200040

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. Due to several factors, the schedule outlined in the DSMOA Cooperative Agreement, Appendix E, has not been met. The Army has proposed a very aggressive schedule for completing the OE cleanup. The schedule requires shorter review periods for all reports by the BCT. These time frames may not be achievable by the BCT. Otherwise, the schedule for traditional CERCLA cleanup activities is consistent with the DSMOA Cooperative Agreement, Appendix E.

Challenges:

1. The Agencies are working on setting cleanup standards for OE sites, including the level of cleanup that is required for different reuses.
2. The Army is proceeding to lease several properties that are within OE sites.
3. The burning of vegetation for OE clearance issue is requiring the involvement of all the agencies, communities and other interested agencies.

Success Stories:

1. The BCT has successfully concurred on lease for two parcels.
2. The BCT has successfully approved transfer for one parcel.
3. The BCT is currently working on finalizing The OE Track 0 ROD.
4. The Army, U.S. EPA and DTSC (Agencies) have signed an agreement to include Ordnance and Explosives (OE) under the Federal Facilities Agreement (FFA), and as a result, requires the investigation and cleanup of OE to follow the CERCLA process.
5. The Army and the Agencies have agreed to work on a base wide security plan to limit access to the Multi-range area (MRA).

Fresno Air Terminal/Old Hammer Field
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CALSTARS: 100242

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. Very little progress in the implementation of remedial activities has occurred.

Challenges:

1. The regulatory agencies and the Old Hammer Field Steering Committee (OHFSC) have not been able to come to agreement on the basewide schedule.
2. The Area 1 groundwater plume is wider and longer than originally expected, requiring additional investigation. This has delayed preparing the Final Remedial Investigation and subsequent reports.
3. Development of the proposal for an interim removal action for the Area 1 source area at P-3 Hanger is currently on hold.
4. Development of the Water Supply Contingency Plan to address potentially impacted areas continues. A lawsuit may be filed by the Bakman Water Company unless the OHFSC demonstrates a willingness to remediate the groundwater plume impacting Bakman Water Company wells.
5. The OHFSC has yet scope the Feasibility Study for Area 1.
6. The OHFSC members are in disagreement with the direction the project is taking.
7. The OHFSC has not provided funding level information to the agencies.

Success Story:

1. The Draft Final Water Supply Contingency Plan was submitted in April 2000.

Granite Canyon Marine Lab
Semi-Annual Report January - June 30, 2000

CALSTARS: 201267

STATUS: FUDS

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. During this reporting period the restoration project at Granite Canyon Marine Lab has been modified in coordination with the State and the United States Army Corps of Engineers (USACE). The site investigation (SI) revealed more extensive contamination than originally anticipated. An Extended SI was performed, providing additional characterization data.

Challenges:

1. USACE is to submit a hot spot removal action workplan addressing contaminated areas with a risk assessment for residual contamination or workplan for additional removals.
2. It is clear the necessary activity are not in line with projected costs. The project is being enlarged and additional funding is needed.

Success Story:

1. Cooperation between State Agencies and USACE assisted in minimizing potential exposures to site employees as work progresses.

Hamilton Army Airfield - GSA
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CALSTARS: 200714

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The progress to date is consistent with the DSMOA Cooperative Agreement, Appendix E

Challenge:

1. Ongoing work with the Water Board on landfill closure and O&M issues. New data suggest elevated methane gas levels.

Success Story:

1. The land use covenant for GSA Phase 2 was signed by DTSC, the Water Board and the Army and was recorded with deed. The transfer of GSA Phase 2 was completed.

Hamilton Army Airfield North Antennae Field (NAF) Parcel

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CALSTARS: 200714

STATUS: FUDS

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. Progress on the NAF parcel is dependent on the Base Realignment and Closure (BRAC) parcel; many of the issues are identical, and the Army is waiting for the issues to be resolved on the BRAC parcel. The schedule is therefore continuing to change to accommodate changes in Army strategy and delays in major milestones.

Challenges:

1. To complete the Human Health and Ecological Risk Assessment (HHERA), Feasibility Study (FS), and Remedial Action Plan (RAP) in time to complete remediation before the California Coastal Conservancy (Conservancy) and San Francisco District Army Corps of Engineers (USACE) needs to restore the property to intertidal wetlands.
2. To ensure the HHERA, FS and RAP meet the needs of the Natural Resource Trustees.
3. The Conservancy is obtaining funding and fill material from the Port of Oakland, and the wetland's project must coincide with the Port's schedule.
4. Ordnance has been found on the site, and remediation activities are planned for its removal to the extent feasible.

Success Stories:

1. The trustees and regulatory agencies have begun coordinating activities with the wetland project proponents.
2. The Army reports adequate funding to meet the scheduled activities for the year 1 and 2 of the new grant.

Hamilton Army Airfield Base Realignment and Closure (BRAC) Parcel
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CALSTARS: 200136

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. The schedule is continuing to change to accommodate changes in Army strategy and delays in major milestones.

Challenges:

1. To complete the Human Health and Ecological Risk Assessment (HHERA), Feasibility Study (FS), and Remedial Action Plan (RAP) in time to complete remediation before the California Coastal Conservancy (Conservancy) and San Francisco District Army Corps of Engineers (USACE) needs to restore the property to intertidal wetlands.
2. To ensure the HHERA, FS and RAP meet the needs of the Natural Resource Trustees.
3. The Conservancy is obtaining funding and fill material from the Port of Oakland, and the wetland's project must coincide with the Port's schedule.
4. Provide a clean site to the Conservancy. Currently it appears the site has areas need waste to be removed. The Army believes a good wetlands design will mitigate any negative impacts from the waste.
5. It is unclear if there is any funding to accomplish additional remediation which maybe needed.

Success Story:

1. The trustees and regulatory agencies have begun close coordination activities with the wetland project proponents. This has greatly increased understanding and provided a streamlining effect on the project from the regulator and trustee perspective.

Hayward Air National Guard Station
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CALSTARS: 200588

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is on schedule based on the Appendix E and F.
2. A sampling plan designed to identify releases is nearing completion, and field work will begin in late summer 2000.

Challenge:

1. There are no major challenges at this time.

Success Stories:

1. A number of potential sites were identified through the records review process, and agreement has been reached on how best to determine whether releases have occurred.
2. Funding is not believed to be an issue at this time.

Hunters Point Shipyard
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CALSTARS: 200050

STATUS: CLOSED

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program was on schedule.
2. Transition of Navy project team from EFA-West to Southwest Division has been completed.
3. The City and the Navy proposed cost to complete estimates for early transfer of property varied widely.

Challenges:

1. Constant shift of early transfer, cleanup and reuse priorities has made it difficult for the project team to make progress.
2. The Navy still needs to formally respond to EPA's new drinking water designation criteria before any progress can be made in most of ground water issues.
3. Quarterly groundwater monitoring data exceeded the trigger level at the compliance wells and need to be addressed.
4. Navy's contractor is proceeding with the Parcel B pre-excavation sampling even though the pre-excavation sampling plan is still under review by the regulatory agencies.

Success Stories:

1. A consensus was reached on pre-excavation characterization sampling approaches for Parcel B remedial action to proceed.
2. Parcel C and D soil remediation will proceed using non-time Critical removal action which would speed up the soil cleanup schedule.
3. A revised schedule was developed that will shorten the FFA schedule substantially.

Lemoore Naval Air Station
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CALSTARS: 100087

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at Lemoore Naval Air Station is behind schedule for activities identified for years 1 and 2.

Challenges:

1. New information has caused significant revisions to project schedules.
2. Unexpected soil vapor contamination at Sites 5 and 14 will likely extend the schedule.
3. Navy staff are disputing the State's authority. Sites 6 and 7 are viewed as wetlands, where the Navy believes only federal jurisdiction applies.
4. Institutional controls are required at Sites 2 and 4 since the remaining contamination is in excess of unrestricted use levels.
5. The Navy has changed project managers.

Success Stories:

1. Well placed soil gas testing has resulted in a better understanding of the nature and extent of contamination.
2. Multi-port groundwater sampling wells at Site 5 and 9 have provided a cost-effective means of water well installation and monitoring. DTSC participated in the well installation preparation.

Marina AMSA 12BMA
Semi-Annual Report January - June 30, 2000

CALSTARS: 201105

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is slightly behind on the facility's 2 year work plan.

Challenge:

1. Lack of funding to conduct remedial activities.

Success Story:

1. A Draft PA has been submitted to DTSC and comments on the document have been provided to the Army Reserves for response.

Mather AFB
Semi-Annual Report January - June 30, 2000

CALSTARS: 100104

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The progress to date is not consistent with the DSMOA Cooperative Agreement, Appendix E, however, significant progress has been made.

Challenges:

1. The Air Force and DTSC need to come to a full agreement on Institutional Control language and an implementation plan for the IC's in all of the ROD's.
2. Due to private property access difficulties the Air Force was unable to install two extraction wells that were in the ground water phase two work plan. DTSC has thus far not received a revised work plan.
3. Funding for Mather support personnel is in jeopardy, the expertise/site knowledge that would be lost would be incalculable.
4. Agreement between the Water Board and the Air Force concerning the revision of the Off-base Water Supply Contingency Plan still needs to be reached.

Success Stories:

1. Agencies and the Air Force has gained approval for the removal actions for the Base wide Supplemental Focused Feasibility Study from Department Fish and Game. Ongoing discussions regarding mitigation plans.
2. The Five Year Review document for the AC&W plume has been finalized.
3. The Air Force completed the construction and has started-up the phase three groundwater remediation system. The Air Force with the BCT is discussing the next phase of ground water remediation.
4. DTSC and the CVRWQCB worked with the County of Sacramento to obtain a land use covenant on the Economic Development Conveyance parcels.

McClellan AFB
Semi-Annual Report January - June 30, 2000

CALSTARS: 100105

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The year 2 work is on schedule, and the progress to date is consistent with the DSMOA Cooperative Agreement, Appendix E. However, there has been a delay in the schedule for completing the VOC FS and VOC ROD due to a dispute. The primary cause for the dispute is due to issues concerning the State Water Board Resolution 92-49, and its status as an ARAR.

Challenges:

1. Satisfactory negotiation for a settlement of the State Water Board Resolution 92-49 and vadose zone VOC cleanup levels dispute issues.
2. Overall, the number of primary/secondary documents which are reviewed by DTSC have increased from the number predicted for year 2.
3. Completion of SEBSs and FOSLs for approximately 1,500 buildings by March 2001

Success Stories:

1. Phase II of the Ground Water IROD has been implemented. Over 95 percent of MCAFB's contaminated groundwater is contained and will undergo treatment.
2. Fourteen (14) SVE systems are in place and are operational. Two are undergoing rebound studies.
3. MCAFB, with DTSC input, has developed a Cleanup/Reuse data base which allow for quick reference to a specific site/ and or building.
4. The U.S. EPA and DTSC developed specific guidelines for document reviews and facility response to comments. This has resulted in more efficient and timely reviews.
5. Nine Engineering Evaluation/Cost Analyses have been finalized.
6. The Base wide VOC FS has been finalized.
7. Four SSSSEB's and FOSL's (Groups 2, 3, 4 and the Nuclear Radiation Center) approved and completed for an approximate total of 280 buildings leased to the County for like reuse.
8. The Draft Non-VOC FS has been completed. The study considers a wide range of options including treatment, consolidation, and off-site disposal.
9. DTSC developed and implemented a facility walk-through check list and schedule to expedite completion of FOSLs. As a result, staff completed walk-throughs on

approximately 280 buildings in support of base property reuse.

Mountain View Jones Hall USAR
Semi-Annual Report January - June 30, 2000

CALSTARS: 201106

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is slightly behind on the facility's 2 year work plan.

Challenge:

1. Lack of funding to conduct remedial activities.

Success Stories:

1. DTSC has received and reviewed the Army's response to comments on the Draft PA. DTSC has provided additional comments.
2. A Draft Sampling Plan, addresssing data gaps in the PA, has been prepared and DTSC has provided DTSC has provided comments to the Army on the Draft Plan.

Naval and Marine Corps Reserve Center, Alameda
Semi-Annual Report January - June 30, 2000

CALSITES: 201109

STATUS: CLOSED

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. The facility is currently used for administrative functions. Navy is moving to evaluate the facility.

Challenges:

1. The Navy has contested that the facility as a whole needs to be screened based on past usage.
2. A Preliminary Endangerment Assessment is necessary for the entire facility.

Success Story:

1. The Navy agreed to prepare a complete facility review but stills does not want to prepare a Preliminary Endangerment Assessment for the facility.

Naval Computer and Telecommunications Station, Stockton
Semi-Annual Report January - June 30, 2000

CALSTARS: 100113

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at Naval Computer and Telecommunications Station, Stockton is behind schedule for activities identified in Years 1 and 2.
2. The Navy reports that the transfer documents for the Phase 1 parcels are at Navy Headquarters awaiting signature.
3. DTSC reviewed and commented on the Draft RI for OU-3.
4. DTSC reviewed and commented on draft sampling plans for the Pistol Range and Soil Debris Piles (Site 19).

Challenges:

1. Authority and funding for remedial activities are significant challenges. In many instances, the Navy maintains that site investigation activities are not within the scope of the Installation Restoration Program.
2. Determining and establishing the true background concentrations in ground water. The Navy has maintained that some of the low values of semi-volatile organic compounds detected are a result of natural occurring organic matter.
3. Determining if the current landfills are causing or will cause groundwater contamination. The Navy maintains that leaving landfill waste in place may be appropriate even if the bottom of the landfill is within the saturated zone.
4. The Navy has changed project managers at EFA WEST. In addition, the Navy in San Diego will provide technical support for this project.

Success Story:

1. Although disagreements regarding interpretation of site data and regulatory requirements exist, the project team continues to function very well and to find common ground and determine how to move forward.
2. Appendices E and F have been signed by the Project Managers for DTSC, the Navy and the Regional Water Quality Control Board.
3. Field work has been completed for the RI for OUs 1, 3, and 4.

Naval Medical Center Oakland
Semi-Annual Report January - June 30, 2000

CALSTARS: 200530

STATUS: CLOSING

OFFICE: BERKELEY

Progress:

1. No schedule and no activities to report.

Challenge:

1. A RAP must be prepared that addresses potential lead contamination in soil.

Success Story:

1. None to report.

Naval Radio Transmission Facility (NRTF), Dixon
Semi-Annual Report January - June 30, 2000

CALSTARS: 100278

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. NRTF Dixon is planning a site investigation of an auto body disposal area located on the facility.

Challenges:

1. To keep the facility moving forward on the agreed to schedule.
2. The Navy has shifted control of the project to San Diego. The State must work with new personnel to keep the project progressing.
3. A potential small arms shooting range will be investigated in the 2000/2001 fiscal year. It is expected that a work plan will be submitted for regulatory approval prior to any action.

Success Stories:

1. The Navy agreed to the investigation of a potential small arms shooting range based on State concerns.
2. NTRF Dixon has agreed to two additional years of ground water monitoring prior to closing landfill sites 2 and 3. If no additional contamination is detected, a final ROD is scheduled fiscal year 2002.

Novato DOD Housing
Semi-Annual Report January - June 30, 2000

CALSTARS: 200529

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. The progress to date is not consistent with the DSMOA Cooperative Agreement, Appendix E. However, because of the agreement with the city of Novato, significant progress has been made on the housing parcels.
2. Work continues to develop a base wide Remedial Action Work plan to memorialize the completion of remedial work.

Challenge:

1. To address outstanding issues regarding the risk assessment for MTBE/BTEX plumes.

Success Story:

1. DTSC concurred with FOST for Phase IVA property (parcel 85 and portion of parcels 67 and 87) for transfer to City of Novato for use as a parking area and open space.

Oakland Army Base
Semi-Annual Report January - June 30, 2000

CALSTARS: 200233

STATUS: CLOSING

OFFICE: BERKELEY

Progress:

1. During this reporting period, the overall restoration program at Oakland Army Base as described in Appendix E is on schedule.

Challenges:

1. The removal action workplan (RAW) for Operable Unit 2 proposes pesticide cleanup goals with the 1E-05 risk using an industrial scenario. The Army would consider cleanup goals based on the 1E-06 risk if DTSC accepts exposure parameters specific to railroad maintenance workers. DTSC disagrees and requests the RAW to include three sets of cleanup goals based on residential reuse with 1E-06 risk, residential reuse with 1E-05 risk, and industrial reuse with 1E-06 risk with an IC. The Army does not believe a RAW should include different sets of cleanup goals based on risk and exposure population. The Army and DTSC are in an impasse and we may begin the dispute process.
2. DTSC has requested the Army additional soil sampling for lead-based paint in areas targeted for housing and child care. However, the Army argues that sampling for lead-based paint in soil is not required by the Army policy.

Success Stories:

1. DTSC has completed the review of two Findings of Suitability to Lease (FOSL) documents. The FOSLs include disclosures of environmental conditions and restrictions of buildings and open areas.
2. OARB is planned to be transferred to the City of Oakland in 2001. A draft Reuse Plan was prepared by the Oakland Base Reuse Authority. The plan anticipates that the area east of Maritime Street, a 203-acre parcel, will be developed into an industrial and research park. Much of the remainder of the base will be turned over to the Port. Fifteen acres near the Bay Bridge would become a regional park.

Oakland Army Base, Heroic War Dead USAR
Semi-Annual Report January - June 30, 2000

CALSTARS: 201107

STATUS: OPEN

OFFICE: BERKELEY

Progress:

1. During this reporting period (Jan 00 to Jun 00), the overall restoration program at the facility is slightly behind on the facility's 2-year work plan.
2. The Army Reserve submitted the draft Site Investigation Report on January 15, 2000. DTSC provided comments on the report on March 21, 2000. The Army Reserve provided responses to comments on June 19, 2000.

Challenges:

1. Lack of funding to conduct remedial activities.

Success Stories:

1. The Army Reserve conducted site investigation and submitted a draft report.

Other Multi-Sites, Northern California
Semi-Annual Report January - June 30, 2000

CALSITES: 101192

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. Work progressed on the Range Rule Risk Methodology and Formerly Used Defense Site (FUDS) site reviews.

Challenges:

1. There is a large number of ordnance contaminated FUDS sites which have not been addressed and that are being developed. The United States Army Corps of Engineers (USCOE) needs to find a way to increase the funding.
2. The federal agencies are working closely together to the detriment of an open forum and open development of areas where the states have significant concerns.

Success Story:

1. Coordination between the United States Environmental Protection Agency, USCOE, State of California is increasing, but is still fairly low. Inter State coordination is increasing based on the above challenges.

Point Arena Air Force Station
Semi-Annual Report January - June 30, 2000

CALSTARS: 200585

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. The IRP is slightly behind on the schedule of activities identified for year 1.
2. Implementation of the removal action at the Motor Pool and Target Range commenced.

Challenge:

1. Lack of funding to implement remedial activities.

Success Story:

1. Approval of the EE/CA and Action Memorandum for the removal action at the Motor Pool and Target Range.

Rio Vista Army Reserve Training Center
Semi-Annual Report January - June 30, 2000

CALSTARS: 100611

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program is behind schedule for activities identified in the facility's 2 year work plan. The facility is scheduled to be transferred to the City of Rio Vista in December 2001.

Challenges:

1. The Army's new contractor is motivated to finish the project on schedule and DTSC has been requested to provide expedited reviews.
2. The EE/CA for the Interim Removal Actions needs to be completed and approved in a short time frame to complete removal actions during the dry season.

Success Story:

1. The City of Rio Vista and the Local Reuse Authority are pleased with the progress of the project.

Riverbank Army Ammunition Plant
Semi-Annual Report January - June 30, 2000

CALSTARS: 100125

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is on schedule based on the Appendix E and F.
2. The facility has completed all anticipated field activities for remedial actions identified in the base wide ROD.
3. Insitu treatment methods are being evaluated to aid in achieving total plume capture.

Challenges:

1. The current modifications to the groundwater monitoring and treatment systems are being evaluated to determine if they are sufficient to meet remediation goals.
2. Based on current data a small number of chromium detections are outside the current capture zone.
3. The monitoring system is being upgraded to provide sufficient data with which to make prudent decisions regarding changes in the extraction system.

Success Stories:

1. The facilities ground water treatment plant has operated successfully for the removal of the bulk of the contamination over the last two years.
2. The efficiency of the ground water treatment system has been increased sufficiently to allow \$500,000 to be used in other areas of the program. Currently it will fund the five year review.

Sacramento Army Depot
Semi-Annual Report January - June 30, 2000

CALSTARS: 101045

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. Project team is moving towards completing all remedial activity at the Depot. Discussions on institutional controls, operation and maintenance and delisting are ongoing.

Challenges:

1. To make the final determination 1) if the South Post Plume has been captured, and 2) if not, what further actions are required. Monthly ground water monitoring will continue until December 2000 at which time analysis and modeling will help to determine whether plume capture has been achieved.
2. Negotiate a consensus of the land use covenants for Ground water, the CAMU and lead-based paint issues remaining on base.
3. Have the Army explain the rationale for discontinuance of the treatment system at the South Post Plume and direct disposal of pumped water to the sewer system.
4. The correct method to destroy the two horizontal wells on the South Post Plume. These wells are not in use because of bio-fouling and diminished flow.

San Jose AMSA12Sub
Semi-Annual Report January - June 30, 2000

CALSTARS: 201108

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is slightly behind on the facility's 2 year work plan.

Challenge:

1. Lack of funding to conduct remedial activities.

Success Stories:

1. DTSC has received and reviewed the Army's response to comments on the Draft PA. DTSC has provided additional comments.
2. A Draft Sampling Plan, addressing data gaps in the PA, has been prepared and DTSC has provided comments to the Army on the Draft Plan.

Santa Rosa Army Airfield
Semi-Annual Report January - June 30, 2000

CALSTARS: 200586

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the restoration program at the former Santa Rosa Army Airfield made minimal progress on the installation's 2 year work plan.

Challenge:

2. Uncertainty by Sonoma County about the design of the proposed expansion of the correctional facility located on, and adjacent to, the Chemical Warfare Material (CWM) Area led to the loss of funding for additional CWM support from the USACE, Huntsville District. However, USACE, Huntsville recently informed the USACE, Sacramento District that the project to determine the depth of fill material in the area has been reallocated funding and is on this year's project list.

Sierra Army Depot
Semi-Annual Report January - June 30, 2000

CALSTARS: 100132

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at Sierra Army Depot (SIAD) is on schedule for activities identified for years 1 and 2.
3. DTSC has reviewed and commented on the Draft RI Report for the Upper Burning Grounds.
3. The Draft RI/FS Report for the Old Popping Furnace was submitted for review.
4. The 90 percent designs for the DRMO SVE/BV system was submitted for review.
5. The Draft RI Report for the Abandoned Landfill/Southern Sites has been prepared.
6. DTSC has reviewed and commented on the Draft TNT Leaching Beds/DRMO Area Long-Term Groundwater Monitoring Plan.
7. Nearing conclusion of RI activities for most sites.

Challenges:

1. Operation of the soil bioventing system at the Diesel Spill Area (DSA) was brought on-line for full scale operations in September 1998. USACE has not provided O&M plans to the regulatory agencies. No status update reports have been submitted.
2. Operating parameters for the Building 210 groundwater treatment system continue to be investigated. Scaling of the extraction wells and infiltration trenches, due to high mineral content of the groundwater, continues to pose difficulties prior to initiation of full-time operations.
3. Additional discussions between DTSC and SIAD continue to be held regarding UXO issues relating to the Honey Lake BRAC parcels and the Demolition Area on the lake bed.

Success Stories:

1. DTSC has Approved of the Final EE/CA for the Building 210 removal action.
2. DTSC has Approved of the DRMO Burn and Debris Area site closure.

Sierra Army Depot - Herlong/Honey Lake Parcels
Semi-Annual Report January - June 30, 2000

CALSTARS: 100657

STATUS: CLOSING

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall BRAC process for property at Sierra Army Depot (SIAD) is on schedule with the installation's 2 year work plan.

Challenges:

1. Coordination between SIAD/ DTSC/USACE and the Lassen County LRA and Susanville Indian Rancheria on potential uses for parcels.
2. Developing a comprehensive management strategy for OE/UXO impacted areas on and adjacent to Honey Lake.

Success Story:

1. Additional OE/UXO geophysical survey work has been completed. Better definition of items associated with the Function Test Range and "kickout zone" will lead to better understanding of potential risks and the evaluation of appropriate remedial and institutional control options.

Skaggs NSGA, Sonoma County
Semi-Annual Report January - June 30, 2000

CALSITES: 200606

STATUS CLOSED

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is off schedule based on the Appendix E and F.
2. The closed Navy facility has one remaining site, the landfill. The proposed remediation of the former landfill is a removal action to reduce ecological risks for future use as wetlands.

Challenge:

1. The Navy hoped to fast track closure at this facility and transfer it to the United States Fish and Wildlife Service but it is unknown when closure will be completed. Projected closure is for mid-2001.

Success Story:

1. There has been renewed activity in the past 6 months and submittal of numerous documents for the removal action at the landfill.

Travis Air Force Base
Semi-Annual Report January - June 30, 2000

CALSTARS: 200208

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at Travis AFB is slightly behind on the facility's 2 year work plan.

Challenges:

1. The regulatory agencies and the Air Force need to resolve outstanding ecological issues for the approval of the Record of Decision for the West/Annexes/Basewide Operable Unit.
2. The Air Force indicated that their command, Air Mobility Command, has reduced their budget for the out years starting with Fiscal Year 2001. This will impact the schedule for soil design implementation of the North, East, and West Industrial Operable Unit (NEWIOU) Soils ROD.
3. In order to meet Travis AFB's funding time constraints for the closure for Landfill LF007, the regulatory agencies have agreed to work with the Air Force to expedite the design of the LF007 closure. The CAMU for the consolidation of the contaminated soil will also be part of the LF007 cap design.
4. Access agreements between the Air Force and a private land owner need to be signed for the completion of the characterization of the off-site plumes and subsequent completion of the extraction well field.
5. The Air Force and the regulatory agencies need to update the Federal Facilities Agreement schedule.

Success Story:

1. Designs for all NEWIOU ground water sites have been implemented.

Vallejo Young USARC
Semi-Annual Report January - June 30, 2000

CALSTARS: 101046

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. During this reporting period, the overall restoration program at the facility is slightly behind on the facility's 2 year work plan.

Challenge:

1. Lack of funding to conduct remedial activities.

Success Stories:

1. DTSC has received and reviewed the Army's response to comments on the Draft PA. DTSC has provided additional comments.
2. A Draft Sampling Plan, addressing data gaps in the PA, has been prepared and DTSC has provided comments to the Army on the Draft Plan.

Weapons Support Facility, Seal Beach Detachment Concord
Semi-Annual Report January - June 30, 2000

CALSTARS:200022

STATUS: OPEN

OFFICE: SACRAMENTO

Progress:

1. The Navy has agreed to re-evaluate several major investigations based on State comments. Reporting documents for those investigations include the Tidal Remedial Investigation and the Litigation Sites five year review.
2. The reporting period has closely followed the remediation schedule agreed to by all parties and incorporated in appendix E of the Federal Facility Site Remediation Agreement (FFSRA).

Challenges:

1. The facility is negotiating with the State and the United States Environmental Protection Agency (USEPA) to replace the current FFSRA with an Federal Facilities Agreement (FFA). This currently is not impacting the technical work.
2. The Navy continues to find new areas of contamination at the site. A new area of concern has been found in the litigation area and is being evaluated. Evaluation of solid waste manage units in the inland area has shown ground water contamination above maximum contamination levels (MCLs). Several underground storage tank sites are being incorporated into the restoration program.
3. The facility and natural trustee's are evaluating the necessity of additional remedial actions after the litigation sites five year review.

Success Stories:

1. Two Records of Decision (ROD) are currently under review. One is an No Further Action (NFA) ROD for four sites in the inland area. The second is for the Site 1 landfill.
2. The natural resources trustee's concerns are being addressed by the facility. In the past work done at this facility would sometimes be detrimental to the environment.